RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/576,094A_____

Source: _____IFWO_____

Date Processed by STIC: _____02/23/2007_____

ENTERED

IFWO

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 3 <110> APPLICANT: Roche Molecular Systems
 5 <120> TITLE OF INVENTION: Method for Distinguishing CBF-Positive AML Subtypes from
 6       CBF-Negative AML Subtypes
 8 <130> FILE REFERENCE: 22336-US
10 <140> CURRENT APPLICATION NUMBER: US 10/576,094A
11 <141> CURRENT FILING DATE: 2006-04-13
13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012474
14 <151> PRIOR FILING DATE: 2003-11-04
16 <160> NUMBER OF SEQ ID NOS: 239
18 <170> SOFTWARE: PatentIn version 3.4
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 491
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <223> OTHER INFORMATION: n = any nucleotide
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33 aagaaacaga acactggctc aaagaaaagc aataaaaata agagtggcaa gaaccagttt     120
35 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga     180
37 ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt     240
39 ggtggcggtg gaggaagtgg tggaatcggc tatccatacc ctcgtgcccc tgttttttcct    300
41 ggccgtggta gttactcaaa cagagggaac tacaacagag gtggaatgcc caacagaggg     360
43 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag     420
45 ggctacaacc agtggcagca gggtcaattc tggggtcaga agccatggag tcagcattat     480
47 caccaaggat a                                                          491
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 307
52 <212> TYPE: DNA
53 <213> ORGANISM: Homo sapiens
55 <400> SEQUENCE: 2
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58 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc     120
60 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca     180
62 gattcaattt tctttaacca gtctgaagtt tcatttatga tacaaaagaa gatgaaaatg     240
64 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct tttaagatgt     300
66 gtcttca                                                              307
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 519
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 3
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 77 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca     120
 79 tgtgactgtt atgattatca gaatatgtct taacttttta gggcaaagtt aacactgaaa     180
 81 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact     240
 83 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat     300
 85 tactgtttta atgattcagt ttcttcagag tggtaattgt ataaaattgc tattgcagct     360
 87 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt     420
 89 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttgttaca cattttgtta     480
 91 gtctggtttt tgttgcttat cgggtttaat attgttctt                            519
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 95 <211> LENGTH: 140
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Homo sapiens
 99 <400> SEQUENCE: 4
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102 tctattctct aaataatgat ggggctaagt tatacccaaa gctcacttta caaaatattt     120
104 cctcagtact ttgcagaaaa                                                 140
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 425
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 5
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115 cctttttatc tgatctgtga ttaaagcagt aatattttaa gatggactgg gaaaaacatc     120
117 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgctgg     180
119 atggtattaa tcttgtgtag tcttcaactg gttagtgtga aatagttctg ccacctctga     240
121 cgcaccactg ccaatgctgt acgtactgca tttgcccctt gagccaggtg gatgtttacc     300
123 gtgtgttata taacttcctg gctccttcac tgaacatgcc tagtccaaca ttttttccca     360
125 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttgtg cataattctt     420
127 ccaaa                                                                425
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131 <211> LENGTH: 454
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 6
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138 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg     120
140 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat     180
142 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc     240
144 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac     300
146 gctagatggt ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg     360
148 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga     420
150 actgaagcaa gaagttatca gtaccagcag caag                                 454
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 373
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 7
159 atcagggtat ttgttccacc ttggccaggc ctcctcggag aagcttgtcc cccgtgtggg      60
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RAW SEQUENCE LISTING   DATE: 02/23/2007
PATENT APPLICATION: US/10/576,094A   TIME: 15:34:17

Input Set : F:\22336-Sequence Listing.txt
Output Set: N:\CRF4\02232007\J576094A.raw

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161 agggacggag ccggactgga catggtcact cagtaccgcc tgcagtgtcg ccatgactga    120
163 tcatggctct tgcatttttg ggtaaatgga gacttccgga tcctgtcagg gtgtccccca    180
165 tgcctggaag aggagctggt ggctgccagc cctggcggcg cacagcctg ggcctcccct    240
167 tccctcaagc cagggctcct cctcctgtcg tgggctcatt tgccaggctc aggccaggtc    300
169 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac    360
171 gtgaccactg gcc                                                       373
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 494
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 8
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182 ttcctagaga gcggtggcca agatggggca ggggatgttg acgacctcga ggacctcgaa    120
184 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg    180
186 taatacgcaa agccggaccc gggcgctgcc gagacccctc gggggctgca cacccagcag    240
188 cagcgcacgc ctccgaagcc tgcggcctcg cttgaggag ggcgtcgccg gaaacccaag    300
190 gaacctctct gaagtgacac ctcaccccta cacaccgtcc gttcaccccc gtctcttcct    360
192 tctgcttttc ggtttttgga aaacccggat cctactctag gcagcccacc ttggtgggct    420
194 tgtttcctga aaccatgatg tactttttca tacatgagtc tgtccagagt gcttgctacc    480
196 gtgttcggag tctc                                                      494
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 434
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca     60
207 tcgtcatcag ctggatgatc gcacagactg tcactgctgt tgccgggttg acttcctatc    120
209 catttgacac cgttcgccgc cgcatgatga tgcagtcagg gcgcaaagga actgacatca    180
211 tgtacacagg cacgcttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt    240
213 ttttcaaggg tgcatggtcc aatgttctca gaggcatggg tggtgctttt gtgcttgtct    300
215 tgtatgatga aatcaagaag tacacataag ttatttccta ggattttcc ccctgtgaac    360
217 aggcatgttg tattctataa cacaatcttg agcattcttg acagactcct ggctgtcagt    420
219 ttctcagtgg caac                                                      434
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 416
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 10
228 gttggttcaa acttttggga gcacggactg tcagttctct gggaagtggt cagcgcatcc     60
230 tgcagggctt ctcctcctct gtcttttgga gaaccagggc tcttctcagg ggctctaggg    120
232 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagttgtaa    180
234 aatagaaaaa gtggagttgg tgaatcggtt gttctttcct cacatttgga tgattgtcat    240
236 aaggttttta gcatgttcct cctttttcttc accctcccct ttgttcttct attaatcaag    300
238 agaaacttca aagttaatgg gatggtcgga tctcacaggc tgagaactcg ttcacctcca    360
240 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg        416
243 <210> SEQ ID NO: 11
244 <211> LENGTH: 415
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING   DATE: 02/23/2007
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Input Set : F:\22336-Sequence Listing.txt
Output Set: N:\CRF4\02232007\J576094A.raw

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253 tcgtagaaga ttcaagggcc agatcttgat gcccaacatt ggttatggaa gcaacaaaaa   180
255 aacaaagcac atgctgccca gtggcttccg gaagttcctg gtccacaacg tcaaggagct   240
257 ggaagtgctg ctgatgtgca acaaatctta ctgtgccgag atcgctcaca atgtttcctc   300
259 caagaaccgc aaagccatcg tggaaagagc tgcccaactg gccatcagag tcaccaaccc   360
261 caatgccagg ctgcgcagtg aagaaaatga gtaggcagct catgtgcacg ttttc         415
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 423
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 12
270 aataatttat tcccacatct acatcagtga aagctatcta cctatcctga gtctatctta    60
272 aaggaaaaaa agaaaaaaac cttatctctt gcccttattt tgaattttcc actctttcat   120
274 taatttgttt taagctcctg ttggaaaaaa aggggtagtg cattttaaat tgaccttcat   180
276 acgcttttaa aataagacaa atctacttga taatgtacct ttatttgatc tcaagttgta   240
278 taaaaccaat aaatttgtgt tactgcagta gtaatcttat gcacacggtg atttcatgtt   300
280 atatatgcaa agtaggcaac tgtttttctta gttacagaag tttcaagctt cacttttgtg   360
282 cagtagaaac aaaagtaggc tacagtctgt gccatgttga tgtacagttt ctgaaattgt   420
284 ttt                                                                 423
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 358
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 13
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295 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggaccca gccaatcggg   120
297 atcggcggac gcccatcacc gtggtgaagc aaggctttga gcctccctcc tttgtgggct   180
299 ggttccttgg ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg   240
301 agctggctgc ctgaggaggg gcagggccca cccatgtcac cggtcagtgc cttttggaac   300
303 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgt     358
306 <210> SEQ ID NO: 14
307 <211> LENGTH: 529
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 14
312 cgtagtccag accatcctat actgtgactt cttctacttg tacattacaa aagtactcaa    60
314 gggaaagaag ctcagtttgc cagcataagt gccaaagacc atcaccagca tctgtccttc   120
316 agggtgctcg gacagaattc ttaccacagc aaaggcataa gatgcttgat acggaaaatc   180
318 agaaacttaa ctcttttgtt gcagatagtc atcagtggct ctgtaaaaac gcagaggaaa   240
320 agagccagaa ggtttctgtt taatgcatct tgccttatct ttttttatta ctgtgtacaa   300
322 agattttttt acacaaagaa acttaatgct gtattaataa attcagtgtg tagcttcaat   360
324 tgggatagtt ccaaaagtga agattttgtg aggaataagt gcaaattttt tttttatttt   420
326 aaaaaattct ttgaaactct taagtctttg tgtctgcaat gaaattgtac tccttgacag   480
328 ttgatagatt atgtattctt ccatccctca aacttgcatt ccactatat               529
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 529
333 <212> TYPE: DNA
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339 ggctgcccga atttgtgcca ataagtacat ggtaaaaagt tgtggcaaag atggcttcca   120
341 tatccgggtg cggctccacc ccttccacgt catccgcatc aacaagatgt tgtcctgtgc   180
343 tggggctgac aggctccaaa caggcatgcg aggtgccttt ggaaagcccc agggcactgt   240.
345 ggccagggtt cacattggcc aagttatcat gtccatccgc accaagctgc agaacaagga   300
347 gcatgtgatt gaggccctgc gcagggccaa gttcaagttt cctggccgcc agaagatcca   360
349 catctcaaag aagtgggggct tcaccaagtt caatgctgat gaatttgaag acatggtggc   420
351 tgaaaagcgg ctcatcccag atggctgtgg ggtcaagtac atccccagtc gtggccctct   480
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357 <211> LENGTH: 393
358 <212> TYPE: DNA
359 <213> ORGANISM: Homo sapiens
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364 gtgggctgct ctgttcataa gggctttgcc ttcgttcagt atgttaatga gagaaatgcc   120
366 cgggctgctg tagcaggaga ggatggcaga atgattgctg gccaggtttt agatattaac   180
368 ctggctgcag agccaaaagt gaaccgagga aaagcaggtg tgaaacgatc tgcagcggag   240
370 atgtacggct cctcttttga cttggactat gactttcaac gggactatta tgataggatg   300
372 tacagttacc cagcacgtgt acctcctcct cctcctattg ctcgggctgt agtgccctcg   360
374 aaacgtcagc gtgtatcagg aaacacttca cga                               393
377 <210> SEQ ID NO: 17
378 <211> LENGTH: 496
379 <212> TYPE: DNA
380 <213> ORGANISM: Homo sapiens
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385 gccaggtata atgtaacttc accccagcct ttgtactaag ctcttgatag tggatatact   120
387 cttttaagtt tagccccaat atagggtaat ggaaatttcc tgccctctgg gttccccatt   180
389 tttactatta agaagaccag tgataattta ataatgccac·caactctggc ttagttaagt   240
391 gagagtgtga actgtgtggc aagagagcct cacacctcac taggtgcaga gagcccaggc   300
393 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaagaca gcagcaagca   360
395 ttatacggtc atcttgaatg atcccctttga aatttttttt ttgtttgttt gtttaaatca   420
397 agcctgaggc tggtgaacag tagctacaca cccatattgt gtgttctgtg aatgctagct   480
399 ctcttgaatt tggata                                                   496
402 <210> SEQ ID NO: 18
403 <211> LENGTH: 534
404 <212> TYPE: DNA
405 <213> ORGANISM: Homo sapiens
407 <400> SEQUENCE: 18
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410 tccaggcagc caagaacttg atgaatgctg tggtgcagac agtgaaggca tcctacgtcg   120
412 cctctaccaa ataccaaaag tcacagggta tggcttccct caaccttcct gctgtgtcat   180
414 ggaagatgaa ggcaccagag aaaaagccat tggtgaagag agagaaacag gatgagacac   240
416 agaccaagat taaacgggca tctcagaaga agcacgtgaa cccggtgcag gccctcagcg   300
418 agttcaaagc tatggacagc atctaagtct gcccaggccg gccgccccca cccctcgggg   360
420 ctcctgaata tcagtcactg ttcgtcactc aaatgaattt gctaaataca acactgatac   420
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/23/2007
PATENT APPLICATION: US/10/576,094A   TIME: 15:34:18

Input Set : **F:\22336-Sequence Listing.txt**
Output Set: **N:\CRF4\02232007\J576094A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seq#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seq#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seq#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY   DATE: 02/23/2007
PATENT APPLICATION: US/10/576,094A   TIME: 15:34:18

Input Set : **F:\22336-Sequence Listing.txt**
Output Set: **N:\CRF4\02232007\J576094A.raw**

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
M:341 Repeated in SeqNo=26
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
M:341 Repeated in SeqNo=33
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
M:341 Repeated in SeqNo=55
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
M:341 Repeated in SeqNo=72
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180
M:341 Repeated in SeqNo=165
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
M:341 Repeated in SeqNo=191
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
M:341 Repeated in SeqNo=216
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